




MINERALS PROGRAM INSPECTION REPORT

PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Florence Sand & Gravel Pit	MINE/PROSPECTING ID#: M-1992-051	MINERAL: Sand and gravel	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: August 28, 2019	INSP. TIME: 11:00
OPERATOR: Langston Concrete, Inc.	OPERATOR REPRESENTATIVE: Zac Langston	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: IT.Bondcalculationtype.CD.Desc	BOND AMOUNT: \$38,100.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: March 2, 2020	

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This inspection was conducted as part of the regular monitoring program. The Permittee (Langston Concrete) was represented during the inspection by Mr. Zac Langston. The Florence Sand & Gravel Pit site entrance is located approximately one quarter mile south of the S. Union St railroad crossing in Florence. This is a 112c sand and gravel mine. The site was active at the time of the inspection.

Availability of Records: Annual fees are paid through July 2019. The previous inspection was on December 22, 2015. The approved post-mine land use is industrial. There are no open infractions. Both the surface and minerals are privately owned.

Backfilling and Grading: Sufficient material (fines, considered excess spoil at this site) were observed to be available for backfill on the east end of the site (see **Photo 1**). Mr. Langston pointed out the progress they have made in backfilling the northeast corner (see **Photo 2**), indicating their effort was about 75 percent complete.

Financial Warranty: The \$38,100 bond held by the Division is adequate for the observed mine disturbance.

Fish and Wildlife: No impact to wildlife was observed.

Hydrologic Balance: No standing water or exposed groundwater was observed in the pit. The area where a small amount of exposed groundwater was observed during the 2015 inspection had been backfilled.

Gen. Compliance with Mine Plan: The operation appeared to be in compliance with the approved mine plan. Google Earth was used to measure the disturbed area, which was estimated to be approximately 45 acres, based on 2018 imagery. Highwalls were estimated to vary between 30 and 40 feet in height and appeared stable (see **Photo 3**).

Off-site Damage: The operation appeared to be confined to the permit boundary, based on Google Earth review and site observations.

Processing Waste: Observed processing waste was limited to the aforementioned fines stockpiles to be used primarily for backfill. Some stockpiled broken concrete was observed (see **Photo 4**).

Roads: Haul and access roads did not appear to be a source of sediment that could be tracked offsite. Mr. Langston indicated they implement dust control measures when needed.

Reclamation Success: The only reclamation initiated is the backfill in the northeast portion of the site.

Revegetation: No noxious weeds were observed.

Sediment Control: No erosion problems were observed and no BMPs were needed at the time of the inspection.

Support Facilities On-site: A screen plant was observed on site (see **Photo 5**). Mr. Langston indicated they also crush from time to time.

Signs and Markers: The permit sign was properly posted (see **Photo 6**) and observed boundary marker locations, delineating the permit boundary (see **Photo 7**) were collected using a handheld Trimble Juno 3B GPS unit (see **attached Post Inspection map**). Based on post-inspection map work, it appears the boundary markers observed

in the field delineate the property boundary and not the permit boundary. Langston Concrete should double check this with their surveyor (Crown Point Land Services on the TR-01 approved map) and if this is the case, install permit boundary markers as soon as possible. It is the affected area (in this case the permit area is the affected area) that is required to be marked pursuant to Rule 3.1.12(2).

Permit Stipulations: There are no open permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed. BMPs are used to prevent stormwater from leaving the site. The stormwater management plan is kept in a binder in the site trailer. No stormwater retention was observed.

Structures: Aside from property fences, the only structures observed were the Black Hills electric utility lines. Langston Concrete is reminded to ensure damage compensation agreements are updated when utility companies merge or sell their equipment.

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at tim.cazier@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS

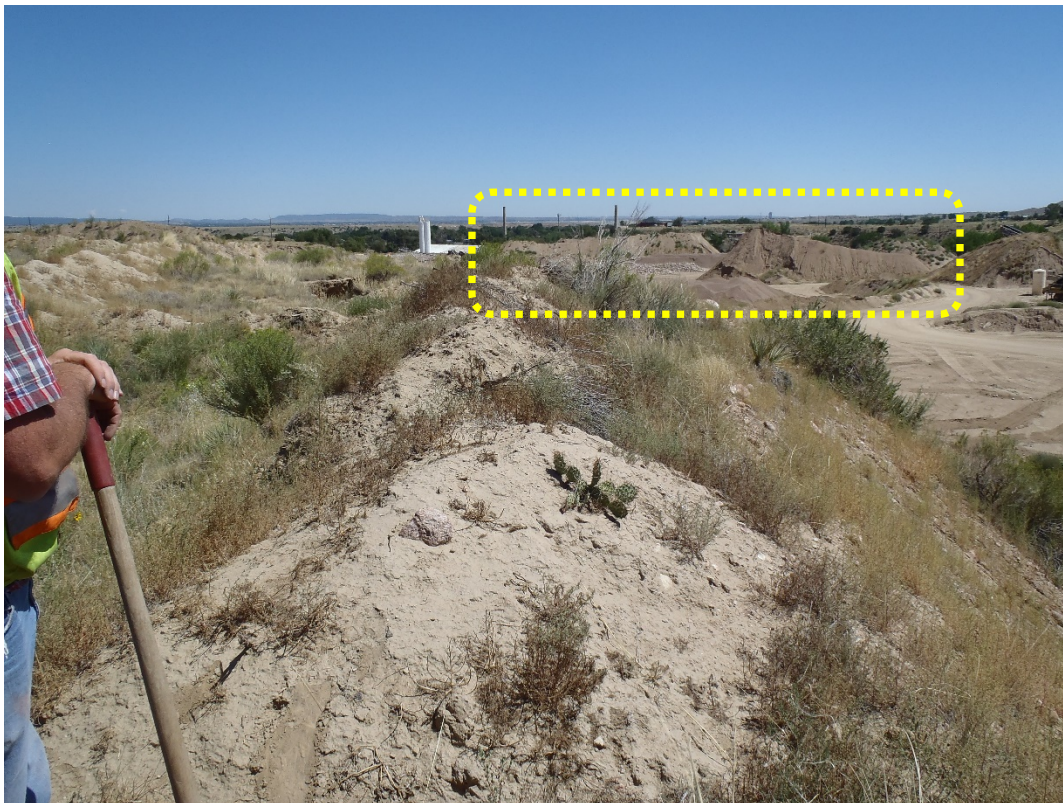


Photo 1. Stockpiled fines, east end (looking east).

PHOTOGRAPHS (cont.)



Photo 2. Backfill progress in northeast portion (looking west).



Photo 3. Active highwall (looking SW).

PHOTOGRAPHS (cont.)



Photo 4. Stockpiled broken concrete (east end of processing area, looking south).



Photo 5. Processing area (screen plant circled, looking SW).

PHOTOGRAPHS (cont.)



Photo 6. Permit sign.



Photo 7. Typical permit boundary marker – north corner, far west boundary (looking east, note GPS unit).

Inspection Contact Address

Mike Langston
Langston Concrete, Inc.
902 South Union Street
Florence, CO 81226

Enclosure

ec: DRMS file

M-1992-051 Florence Sand & Gravel Pit 2019 Post-Inspection Map

Satellite Imagery from 6/1/2018

GPS data collected 8/28/2019

Permit boundary based on TR-01 Map, approved 8/9/2016

Legend

- 8/28/19 GPS point
- 8/28/19 GPS point
- Gate Post
- M-92-51 Dist. Area-2018 (45 Ac.)
- M-92-51 Permit Boundary
- M-92-51 Property Boundary

Google Earth

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